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CIA-RDP86-00513R001858910016-2

VASIL'YEV, P. V.

Vasil'yev, P. V. - "Some problems of the ideo-theoretical level of forest industry workers," Les Zhurn., 1955, No. 3, p. 62-75

SO: U-3600, 10 July 55, (Letopis 'Zhurnal 'nyich Stately, No. 6, 1955).

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VASIL'EV, P V.

VASIL'EV, P. V. AND N. NEVZOROV.
Lesnoe khoziaistvo i lesnaia promyshlennost' SSSR. Moskva, Gosplanizdat,
1948. 106 p.

DLC: SD207.V37

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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VASIL'YEV, P.V.

USSR

"Organization of Production in Wood-Working Enterprises"
Current Digest of the Soviet Press, Vol. I,
No. 33, 1949, page 24. (In █ Library)

VASIL'YEV, P.

Lumber

Problems of improving the utilization of lumber materials. Za eken.mat. No.2, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

VASIL'YEV, P. V., PROF.; SOLOV'YEV, V. T.

Forest Management

Forest management is an important measure in the development of Soviet
forestry. Les. khoz. 5 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~KWNY~~ Uncl.

VASILIEV, P.

"Reserves for the continuous development of the lumber industry." Tr, from the Russian. p.55
(Analele Romano-Sovietice. Seria Silvicultura-Industria Lemnului Si A Hartieli.
Series a II-a, v. 7, no. 16, Nov/Dec 1952 Bucresti.)

EAST EUROPEAN Vol 2, No 9
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, SEPTEMBER 1953, Uncl.

VASIL'YEV, P.

Lumbering

Possibilities for the further increase of lumbering, Vop. ekon., No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.
2

VASIL'EV, P. V., Prof.

Forests and Forestry

Problems in the development of forestry in the U.S.S.R. in connection with the economic laws of socialism, Lcc. Khos. 6, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

P. VASILIEV

"Problems of the development of peasant economy in the USSR. i.e. contradiction between the economic laws of socialism. Tr. from the Russian." (A. M. ANDREEV,
SOVIETIC. SERIA SILVICOITI (A-INTERST) (INITIATIVI A. MANTII), Series 4 II-a,
v. 7, no. 3, May/June 1953, Bucharest.)

SO: Monthly List of East European Acquisitions, Library of Congress, Vol. 2, .10,
Oct. 1953, Incl.

P. VASILEY, V. SOLDEV

"Forest management, an important factor in the development of Soviet industry
agriculture. Tr. from the Russian." Page 22 (A 1718 TO A 1717 VOL. 1, NO. 1A
SERVICIULRA-INDUSTRIAL DE LA MARILORI, Series # II-a, V. 1, No. 1,
Jan./Feb. 1953, Bucharest.)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, no. 10,
Oct. 1953, uncl.

Vasiliyev, P. V.

USSR/Agriculture - Forestry

Card 1/1 : Pub. 124 - 3/24

Authors : Vasilyev, P. V., Dr. of Econom. Sc.

Title : Certain problems of silviculture

Periodical : Vest. AN SSSR 11, 19-26, November 1954

Abstract : Problems involved in the development, care and exploitation of forest resources of the USSR and the economical gains derived are discussed.

Institution :

Submitted :

PETROW, Boris Sergeyevich, professor; MITIN, Aleksey Griger'yevich, detsent;
SITKINA, Dina Yefimovna, detsent; SAMKULO, Grigeriy Mikheyevich,
detsent; VASIL'YEV, P.V.; professor, ratsenent; DISSPEROV, V.S.,
fizshener, ratsenent; KOPTOV, G.YE., redakter; ARNOL'DOVA, K.S., redak-
ter; SHITS, V.P., tekhnicheskiy redakter.
(MIRA 9:4)

[Organization and planning of production in wood processing enterprises]
Organizatsiya i planirovaniye preizvedstva na derevobrabatyvalushchikh
predpriatiakh. Moskva, Goslesbumizdat, 1955. 407 p.
(Woodworking industries)

VASIL'YEV, P.V., prof., doktor

Lumber industry in Finland. Nauch. trudy MLTI no.6:132-144 '56.
(MIRA 11:12)
(Finland--Lumber trade)

REYNBERG, Solomon Aronovich, professor, doktor ekonomicheskikh nauk;
VASIL'YEV, P.V., redaktor; PITERMAN, Ye.L., redaktor izdatel'stva;
KOLSEIKOV, A.P., tekhnicheskiy redaktor
[Problems in economizing on wood] Voprosy ekonomii drevesiny. Moskva,
Goslesbumizdat, 1956. 267 p.
(MLRA 9:9)
(Wood-using industries)

VASIL'YEV, P.V., professor, doktor ekonomicheskikh nauk, otvetstvennyy
redaktor; ROZHKOV, D.S., redaktor izdatel'stva; MAKUNI, Ye.V..
tekhnicheskiy redaktor

[Proceedings of a conference on industrial utilization of woodwaste]
Materialy soveshchaniia po problemam promyshlennogo ispol'sovaniia
otkhodov drevesiny. Moskva, Izd-vo Akademii nauk SSSR, 1956. 286 p.
(MLRA 10:2)

1. Soveshchaniye po problemam promyshlennogo ispol'sovaniya otkhodov
drevesiny. Moscow, 1955.
(Wood waste)

VASIL'YEV, P.V.
SHAPOSHNIKOVA, Lyudmila Andreyevna; VASIL'YEV, P.V., professor, doktor
ekonomiceskikh nauk, otvetstvennyy redaktor; NAUMOV, A.V.,
redaktor izdatel'stva; PAVLOVSKIY, A.A., tekhnicheskiy redaktor
[Representing woods on maps] Izobrazhenie lesa na kartakh. Moskva,
Izd-vo Akademii nauk SSSR, 1957. 65 p. (MLRA 10:2)
(Maps--Symbols)

00513R001858910016-2

TSVETKOV, Mikhail Alekseyevich; VASIL'YEV, P.Y., doktor ekonomicheskikh
nauk, professor, otvetstvennyy redaktor; RUDIONOV, A.Ya., redaktor
izdatel'stva; MAKUNI, Ye.V., tekhnicheskiy redaktor

[Changes in the forest coverage of European Russia from the end of
the 17th century to 1914] Izmenenie lesistosti Evropeiskoi Rossii
s kontsa XVII stoletiya po 1914 god. Moskva, Izd-vo Akademii nauk
SSSR, 1957. 211 p.

(Forests and forestry)

SUKACHEV, V.N., akademik; NIKITIN, N.I.; VASIL'YEV, P.V., prof., doktor ekon.
nauk; YUREV, N.A., red.; ETUSH, L.A., red. izd-va; SOKOL'SKAYA, Zh.M.,
BRATISHKO, L.V., tekhn. red.

[Progress of science in Soviet forestry during the past 40 years]
Dostizheniya nauki v lesnom khoziaistve SSSR za 40 let. Moskva,
(MIRA 11:7)
Goslesbumizdat, 1957. 352 p.

1. Akademiya nauk SSSR. Institut lesa. 2. Chlen-korrespondent
Akademii nauk SSSR (for Nikitin).
(Forests and forestry)

SUKACHEV, V.N.; VASIL'YEV, P.V.

Prospects for the development of the lumber industry and problems in
the study of the forests of Eastern Siberia. Izv.Sib.otd.AN SSSR
no.12:61-72 '58. (MIRA 12:3)

1. Institut lesa AN SSSR.
(Siberia, Eastern--Lumber trade)

VASIL'YEV, Prokofiy Vasil'yevich, doktor ekonom.nauk; KOZLOVSKIY,
Vadim Borisovich; STANOVENKOVA, M.M., red.; SAVCHENKO,
Ye.V., tekhn.red.

[Timber resources of the U.S.S.R. and their industrial
utilization in the seven-year plan] Lesnye bogatstva
SSSR i ikh promyshlennoe ispol'zovanie v semiletke. Moskva,
Izd-vo "Znanie," 1959. 31 p. (Vsesciuze obshchestvo po
rasprostraneniuu politicheskikh i nauchnykh znanii. Ser.8,
no.20) (MIRA 12:11)
(Forests and forestry) (Wood-using industries)

P'YAVCHENKO, N.I., prof., doktor biolog.nauk, otd.red.; SUKACHEV, V.N., akademik, red.; VASIL'YEV, P.V., prof., red.; ZHUKOV, A.B., prof., red.; MOTOVILOV, G.P., prof., red.; PRAVDIN, L.F., prof., red.; FUKS, Ye.A., red.izd-va; BRATISHKO, L.V., tekhn.red.

[Problems in increasing forest production; in 4 volumes] Problemy povysheniia produktivnosti lesov v chetyrekh tomakh. Moskva, Goslesbumizdat. Vol.2. [Forest drainage measures] Lesososushitel'nye meropriiatiiia. 1959. 148 p. (MIHA 14:3)

1. Akademiya nauk SSSR. Institut lessa. 2. Institut lessa Akademii nauk SSSR (for P'yavchenko).
(Forest management) (Drainage)

30(1), 30(5)
AUTHOR:

Vasil'yev, P. V., Professor

SOV/30-59-1-49/57

TITLE: Economy of Socialist Forestry (Ekonomika sotsialisticheskogo
lesnogo khozyaystva)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 1, pp 139-141 (USSR)

ABSTRACT: The conference dealing with this subject took place in Moscow from 6-9 October, 1958. The conference had been convened by the Institut lesa Akademii nauk SSSR (Forest Institute of the Academy of Sciences, USSR); scientists and experts in forestry of the USSR, as well as scientists from the People's Republic of China and the countries of the People's Democracies (totaling over 130 persons) participated. The main task of the conference was working out suggestions concerning the increase of production in forestry of the USSR in connection with the 7-year plan and the period from 1965-1975. The following reports dealing with the problems mentioned were presented: V. P. Tseplyayev, Glavnoye upravleniye lesnogo khozyaystva Ministerstva sel'skogo khozyaystva SSSR (Chief Administration of Forestry of the Ministry for Agriculture of the USSR) spoke about the main aims and prospects in the development of forestry.

Card 1/3

SOV/30-59-1-49/57

Economy of Socialist Forestry

P. V. Vasil'ev, (Forest Institute of the AS USSR) reported on the economic problems in the present development of Socialist forestry and the tasks of forestry economics.

A. G. Soldatov, Institut ekonomiki sel'skogo khozyaystva Akademii nauk USSR (Institute for Economy of Agriculture of the AS UkrSSR) spoke about measures to increase production of the Ukrainian forests.

Wu Chang-Lung (People's Republic of China) delivered a report on the outstanding success in forestry in his country.

E. Melzer (German Democratic Republic) dealt with economic bases and the organization of long-term planning in forestry.

A. Madas (Hungary) spoke about the importance of a proper price policy for lumber.

S. Nedyalkov (Bulgaria) reported on the wide experience of Bulgarian forest experts concerning the rise of production in forests.

M. Schütze (German Democratic Republic), K. Wolanin (Poland) spoke about the development of forestry and its importance for planning and controlling economic work in the forests.

R. Fromer, T. Molenda, W. Katek (Poland) dealt with the achievements of Polish forestry economics.

Card 2/3

SOV/30-59-1-49/57

Economy of Socialist Forestry

G. N. Polyanskaya was of the opinion that all forests should be governed by one single administrative authority. At the final meeting it was decided that an increase of intensification of forestry is to be regarded as the chief aim. Completion of the number of administrative organs is also necessary. The conference approved the plan dealing with the most urgent scientific research work in the field of economic forestry for the years 1959-1965. It was found that this conference is a first step towards meeting the endeavours of Soviet economy experts who are striving for a solution to pressing problems in the field of forestry.

Card 3/3

VASIL'YEV, Prokofiy Vasil'yevich; VORONIN, I.V.; MOTOVILOV, G.P.;
SUDACHKOV, Ye.Ya.

[Economics of Soviet forestry] Ekonomika lesnogo khoziaistva
SSSR, Moskva, Goslesbumizdat, 1959. 371 p. (MIRA 13:5)
(Forests and forestry--Economic aspects)

VASIL'YEV, P.V., prof., red.; GOROKHOV, M.G., red.izd-vn; PARAKHINA,
N.L., tekhn.red.

[Problems of economics and the improvement of sylviculture in
countries of the people's democracies] Voprosy ekonomiki i
povysheniia produktivnosti lesnogo khozianstva v stranakh na-
rodnoi demokratii. Pod red. P.V.Vasil'yeva. Moskva, Goslesbum-
izdat, 1960. 160 p. (MIRA 13:11)

1. Akademiya nauk SSSR. Institut lesa.
(Communist countries--Forests and forestry)

PRAVDIN, L.F., prof., doktor biolog.nauk, otv.red.; SUKACHEV, V.N., akademik, red.; VASIL'YEV, P.Y., prof., red.; ZHUKOV, A.B., prof., red.; MOTOVILOV, G.P., prof., red.; P'YAVCHENKO, N.I., prof., red.; FUKS, Ye.A., red.izd-va; PARAKHINA, N.L., tekhn.red.

[Problems of increasing the productivity of forests] Problemy povysheniia produktivnosti lesov; v chetyrekh tomakh. Moskva, Goslesbumizdat. Vol.3. [Introducing in forests fast-growing and economically-valuable tree species] Vvedenie v lesa bystro-rastushchikh i khosimistvenno tsennyykh drevesnykh porod. 1960. (MIRA 13:11) 195 p.

1. Akademiya nauk SSSR. Institut lesa. 2. Institut lesa Akademii nauk SSSR (for Pravdin).
(Forests and forestry)

NEVZOROV, P.V., kand.ekon.nauk; OYSTRAKH, E.N.; VASIL'IEV, P.V., prof.;
VASIL'IEV, P.V., prof., otd.red.toma; BARDIN, I.P., akademik,
glavnnyy red. [deceased]; ENDEL'MAN, G.N., red.izd-va; MAKUNI,
Ye.V., tekhn.red.

[Forestry and the lumber industry; proceedings of a conference]
Lesnoe khozisistvo i lesnaya promyshlennost'; trudy konferentsii.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 237 p. (MIRA 13:8)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy
Sibiri, 1958. 2. Institut lesa AN SSSR (for Nevzorov). 3. Institut
lesa AN SSSR, Moskva (for Vasil'yev).
(Forests and forestry--Congresses)
(Lumbering--Congresses)

VORONIN, Ivan Vasil'yevich, dotsent; VASIL'YEV, Prokofiy Vasil'yevich, prof.; ANTSYSHKIN, Sergey Petrovich, inzh.; ISHIN, Dmitriy Petrovich, inzh.; KOSTYUKOVICH, Fedor Trofimovich, dotsent; MAKAROV, Grigoriy Yefimovich, inzh.; RADETSKIY, Vitaliy Il'ich, kand.sel'skokhoz.nauk; SABO, Yevgeniy Dyul'yevich, kand.tekhn. nauk; SUDACHKOV, Yevgeniy Yakovlevich, doktor sel'skokhoz.nauk; FEDOROVYKH, Mikhail Leonidovich, assistent; YANYSHKO, Anatoliy Davydovich, assistent; FUKS, Ye.A., red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[Organizing and planning work at forestry enterprises] Organizatsiia i planirovanie proizvodstva na predpriatiakh lesnogo khoziaistva. Moskva, Goslesbunizdat, 1960. 328 p. (MIRA 14:2)

(Forest management)

HADEN-GUEST, Stephen (1902-), red.; GORBUNOV, V.V.[translator];
PANCHESHNIKOVA, L.M.[translator]; FAREEROVA, N.I.
[translator]; VASIL'YEV, P.V., red.; VIPFER, P.B., red.

[World geography of forest resources] Geografiia lesnykh
resursov zemnogo shara. Pod red. P.V.Vasil'eva i P.B.Vippera.
Moskva, Izd-vo inostr. lit-ry, 1960. 665 p. illus., maps.
Translated from the English. (MIRA 15:3)

(Forests and forestry)

VASIL'YEV, Prokofiy Vasil'yevich

"Certain Questions On The Forestry Policy In The USSR"

report to be submitted for the Fifth World Forestry Congress, Seattle, Washington,
29-10 Sep 60

Head, Forestry Section, Council for the Study of the Protective Forces of the USSR,
Academy of Sciences USSR, Moscow.

NEVZOROV, N.V.; SHCHERBACHEV, V.D.; GERSHENZON, M.L.; NEMCHINOV, V.S., akademik, red.; NEKRASOV, N.N., red; ZUBKOV, A.I., kand. ekonom. nauk, red.; VASIL'YEV, P.V., doktor ekonom. nauk, otv. red.; DROBOT, V.F., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Forest resources of Krasnoyarsk Territory and possibilities for their industrial utilization] Lesnye resursy Krasnoyarskogo kraia i perspektivy ikh promyshlennogo ispol'zovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 164 p. (MIRA 14:9)

1. Krasnoyarskaya kompleksnaya ekspeditsiya. 2. Chlen-korrespondent AN SSSR (for Nekrasov). 3. Sotrudniki lesoeconomiceskogo otryada Krasnoyarskoy kompleksnoy ekspeditsii Soveta po izucheniyu proizvoditel'nykh sil AN SSSR (for Nevzorov, Shcherbachev).

(Krasnoyarsk Territory--Forests and forestry)

BARDIN, I.P., akademik, glavnnyy red.. [deceased]; KHACHATUROV, T.S., otv. red.toma; SMIRNOV, A.P., zam.otv.red.toma; VERKHOVSKIY, I.A., red. toma; NEKRASOVA, R.I., red.toma; TSENIN, S.S., red.toma; LAVRENT'IEV, M.A., red.; VOL'FKOVICH, S.I., red.; DIKUSHIN, V.I., red.; NEMCHINOV, V.S., red.; VEITS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; ROSTOVTSIV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye.. prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'IEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand. tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-miner.nauk, red.; SHKOL'-NIKOV, M.G., kand.ekon.nauk, red.; RODINA, Ye.D., red.izd-va; GUSEVA, A.P., tekhn.red.

[Transportation; proceedings of the Conference on the Development of Productive Forces of Eastern Siberia] Transport; trudy Konferentsii po razvitiyu proizvoditel'nykh sil Vostochnoi Sibiri. Moskva, Izd-vo Akad.nauk SSSR, 1960. 203 p. (MIRA 13:10)

(Continued on next card)

BARDIN, I.P.—(continued) Card 2.

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri, 1958.
2. Chleny-korrespondenty AN SSSR (for Khachaturov, Veyts, Levitskiy, Nekrasov, Pustovalov).
3. Vsesoyuznaya akademiya sel'skohozaystvennykh nauk imeni V.I.Lenina (for Rostovtsev).
4. Deyatel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov).
5. Zam.predsedatelya Gosplana RSFSR (for Grafov).
6. Chlen Gosplana RSFSR (for G. nev).
7. Institut kompleksnykh transportnykh problem AN SSSR (for Khachaturov, Verkhovskiy, Nekrasova, TSenin, Smirnov).

(Siberia, Eastern--Transportation)

VASIL'YEV, P.V., prof., doktor ekon. nauk; PONOMAREV, A.D.; SOLDATOV, A.G., kand. sel'khoz. nauk; MOTOVILOV, G.P., doktor sel'khoz. nauk; NEVZOROV, N.V., kand. ekon. nauk; LOSITSKIY, K.B., kand. sel'khoz. nauk; RODIONOV, A.Ya., kand. sel'khoz. nauk; CHARKINA, A.P., kand. sel'khoz. nauk; LUTSEVICH, A.A., kand. sel'khoz. nauk; KOZHEVNIKOV, M.G., dots.; ALEKSEYEV, P.V., kand. sel'khoz. nauk; ZORIN, A.V., aspirant; BARANOV, N.I., kand. sel'khoz. nauk [deceased]; NAUMENKO, I.M., prof., doktor sel'khoz. nauk; IL'IN, A.I., kand. sel'khoz. nauk; MOISEYENKO, F.P., kand. biol. nauk; ZAKHAROV, V.K., prof., doktor sel'khoz. nauk; GECHIS, Yu.P., starshiy mauchnyy sotr.; BUTENAS, Yu.P., kand. sel'khoz. nauk; BUBLIS, K.A., aspirant; KALNIN'SH, A.Ya., kand. sel'khoz. nauk; ZVIYEDRIS, A.I., kand. sel'khoz. nauk; SUKACHEV, V.N., akad. red.; ZHUKOV, A.B., prof., red.; PRAVDIN, L.F., prof., red.; MAKAROVA, L.V., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Problems of increasing forest productivity in four volumes] Problemy povysheniia produktivnosti lesov v chetyrekh tomakh. Moskva, Goslesbumizdat. Vol.4. [Economic problems of increasing forest productivity and accelerating ripening and cutting ages] Ekonomicheskie voprosy povysheniia produktivnosti lesov, vozrasty spelosti i vozrasty (MIRA 15:1) rubok. 1961. 253 p.

1. Akademiya nauk SSSR. Institut lesa. 2. Nachal'nik Glavnay inspektsii po lesnomy khozyaystvu i polezashchitnomu lesorazvedeniyu Ministerstva sel'skogo khozyaystva SSSR (for Ponomarev).
(Forests and forestry—Economic aspects)

VORONIN, Ivan Vasil'yevich, prof.; ZDRAYKOVSKIY, Dionis Iosifovich;
KOZLOV, Nikolay Andreyevich; LEBEDEV, Arseniy Andreyevich;
SEMENOV, Izosim Alekseyevich; SUDACHEKOV, Yevgeniy Yakovlevich;
VASIL'YEV, P.V., doktor ekon. nauk, retsenzent; KARASIKOV,
S.A., retsenzent; MOTOVILOV, G.P., red.; SVETLAYEVA, A.S., red.
izd-va; POPOVA, V.V., tekhn. red.

[Economics, organization and planning of lumbering production in
lumbering camps] Ekonomika, organizatsiia i planirovanie leso-
khozaiistvennogo proizvodstva v leskhozakh i lespromkhozakh.
Izd.2, dop. i perer. [By] I.V.Voronin i dr. Moskva, Goslesbum-
izdat, 1963. 299 p. (MIRA 17:2)

VASIL'YEV, Prokopy Vasil'yevich. Prinimal uchastiye KULIKOV, T.A.
kand. nauk; NEKKASOV, N.N., otv. red.; PAL'TEROVICH, D.M.,
red.izd-va; RYUINA, Yu.V., tekhn. red.

[Economics of the utilization and reproduction of forest
resources] Ekonomika ispol'zovaniia i vosproizvodstva les-
nykh resursov. Moskva, Izd-vo AN SSSR, 1963. 483 p.
(MIRA 16:12)

1. Chlen-korrespondent AN SSSR (for Nekrasov).
(Forests and forestry--Economic aspects)

L 21579-66 FWT(1) SCTB DD
ACC NR: AP6009429

SOURCE CODE: UR/0020/66/166/006/1447/1450

AUTHOR: Vinnikov, Ya. A.; Gazeiko, O. G.; Titova, L. K.; Bronshteyn, A. A.;
Pevzner, R. A.; Aronova, M. Z.; Vasil'yev, P. V.

ORG: Laboratory of Evolutionary Morphology, Institute of Evolutionary Physiology and Biochemistry im. I. M. Sechenova Academy of Sciences SSSR (Laboratoriya evolyutsionnoy morfologii Instituta evolyutsionnoy fiziologii i biokhimii Akademii nauk SSSR)

TITLE: Electron microscopy of mitochondria in the area of utricular synapses in the inner ear of vertebrates

SOURCE: AN SSSR. Doklady, v. 166, no. 6, 1966, 1447-1450

TOPIC TAGS: inner ear, animal physiology, neurophysiology, utricle, receptor cell, synapse, centripetal acceleration, acceleration effect

ABSTRACT: Comparison of utricular receptors in resting and centrifuged animals disclosed some interesting features of the spatial relationship between the mitochondria of hair cells and their synapses. A variety of animals -- white mice, land tortoises, common frogs, pigeons, chickens, and pickerel -- were subjected to single and repeated centripetal accelerations of 10-18 G for 5-10 min. The inner ear of each animal was removed before decapitation. Electron microscopy of the utricles of experimental animals showed that the mitochondria of utricular hair cells can be in close contact with the presynaptic membrane, especially in animals subjected to

Card 1/2

UDC: 576.347

L 21579-66

ACC NR: AP6009429

accelerations. This grouping of the presynaptic mitochondria at the membrane was especially evident in the utricular hair cells of white mice rotated for 3 min at 18 G. Grouping of presynaptic mitochondria was also observed in efferent bud-shaped nerve endings in the utricles of frogs and tortoises centrifuged three times at 10 G. A similar phenomenon was noted in utricular cells of pickerel after 10 min of centrifugation at 10 G. It is postulated from the experimental data, including electron micrographs, that the mitochondrial apparatus of utricular receptor cells in vertebrates participates in the work of utricular synaptic structures. The authors' previous observations of the change in dehydrogenase activity of the synaptic mitochondria as a result of specific stimulation of the utricle support this conclusion. Various possible mechanisms of mitochondrial participation in the activity of synapses are presented. The results of this study are of special significance in increasing the understanding of the nature of utricular receptor excitation and the neural transmission of excitation under altered gravity conditions. An interpretation of these phenomena will be the subject of future studies. [JS]

SUB CODE: 06/ SUBM DATE: 28Jul65/ ORIG REF: 008/ OTH REF: 010/ ATD PRESS:

4219

Card 2/2

UVR

VASIL'YEV, Petr Vasil'vevich; IVANOV, Konstantin Ivanovich,
[REDACTED] ALEXANDR DMITRIYEVICH; KUZNETSOV,
S.T., kand. tekhn. nauk, retsenzent; KAZAKOV, B.Ye., inzh.,
otv. red.; OKHRIMENKO, V.A., red.izd-va; LOMILINA, L.N.,
tekhn. red.

[Controlling roofs in flat seams] Upravlenie krovlei na
pologikh plastakh. Moskva, Gosgortekhizdat, 1962. 249 p.
(MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy
institut (for Kuznetsov).
(Mine timbering) (Coal mines and mining)

GAZIZOV, M.S., kand. geol.-miner. nauk; LEBEDYANSKAYA, Z.P., inzh.; UNKOVSKAYA, N.F., inzh.; KOSTENKO, V.I., inzh.; PROZOROV, L.B., kand. tekhn.nauk; BESPALOV, P.M., inzh.; KRAVCHUK, S.V., inzh.; KRUPKIN, L.V., inzh.; KRUPKIN, L.V., inzh.; BEZPALOVA, S.I., inzh.; SHCHERBATENKO, A.P., inzh.; KOROTKOV, G.V., kand. geol.-mineral. nauk, retsenzent; VASIL'YEV, P.V., doktor geol.-mineral. nauk, retsenzent; SHEVYAKOV, L.D., akad., otv.red.; MAN'KOVSKIY, G.I., otv. red.; STOLYAROV, A.G., red. izd-va; GUSEVA, A.P., tekhn. red.; RYLINA, Yu.V., tekhn. red.

[Experience in lowering the water table in mineral deposits under complex hydrogeological conditions] Opyt vodoponizheniya na mestorozhdeniakh poleznykh iskopаемых so slozhnymi gidrogeologicheskimi usloviami. Moskva, Izd-vo Akad. nauk SSSR, 1963.
(MIRA 16:5)
411 p.

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Chlen-korrespondent Akademii nauk SSSR zaveduyushchiy laboratoriye spetsial'nykh sposobov prokhodki gornykh vyrabotok i vodoponizheniya Nauchno-issledovatel'skogo instituta Kurskoy magnitnoy anomalii (for Man'kovskiy).
(Water, Underground) (Ore deposits)

KHASIN, G.A.; MENUSHENKOV, P.P.; PETROV, A.K.; OKHRIMOVICH, B.P.; DAVIDYUK,
V.N.; FILATOV, S.K.; VASIL'YEV, P.V.; LOKTICNOV, M.V.; GUREVICH, Yu.G.

New method of mold coating with petrolatum. Metallurg 5 no.5:21-24
My '60. (MIRA 14:3)

1. Zlatoustovskiy metallurgicheskiy zavod i Chelyabinskij
politekhnicheskiy institut.
(Ingot molds) (Petrolatum)

VASIL' YEV, I.V.

ROSTOVTSEV, N.F., akademik, glavnnyy red.toma; SOKOLOV, N.S., prof., red.
toma; LETUNOV, P.A., kand.geol.-mineral.nauk, red.toma; KUZMICHEV,
A.V., kand.biolog.nauk, red.toma; KHYLOV, P.A., kand.biolog.nauk,
red.toma; RUZSKAYA, Ye.A., kand.biolog.nauk, red.toma; CHEMBER,
B.Ye., kand.biolog.nauk, red.toma; BARDIN, I.P., akademik, glavnnyy
red. [deceased]; LAVRENT'YEV, M.A., akademik, red.; VOL'FKOVICH,
S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV,
V.S., akademik, red.; VEITS, V.I., red.; LEVITSKIY, O.D., red.;
NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S.,
red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.;
VASYUTIN, V.F., prof., red.; PROBST, A.Ye., prof., red.; KROTOV,
V.A., prof., red.; VASIL' YEV, P.V., doktor ekonom.nauk, red.;
LYUDOGOVSKIY, G.I., kand.tehn.nauk, red.; SHKOL'NIKOV, M.G.,
kand.ekonom.nauk, red.; KLYUSHKIN, P.A., red.izd-va; DOROKHINA,
I.N., tekhn.red.

(Continued on next card)

ROSTOVTSEV, N.F.---(continued) Card 2.

[Development of the resources of Eastern Siberia: agriculture]
Razvitiye proizvoditel'nykh sil Vostochnoi Sibiri: Sel'skoe khoziaistvo. Moskva, Izd-vo Akad.nauk SSSR, 1960. 426 p.

(MIRA 13:6)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri. 1958, Irkutsk. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev). 3. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Sokolov). 4. Chleny-korrespondenty AN SSSR (for Veyts, Levitakiy, Nekrasov, Pustovalov, Khachaturov). 5. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 6. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov).
7. Chlen Gosplana RSFSR (for Gashev).

(Siberia, Eastern--Agriculture)

VASIL'YEV, P.V., agronom

Controlling dust storms. Zemledelie 24 no.10:76
0 '62. (MIRA 15:11)
(Dust storms) (Agriculture)

BARDIN, I.P., akademik, glavnnyy red. [deceased]; VOL'FKOVICH, S.I., akademik, otv.red.toma; UVAROV, G.V., red.toma; KOMAROV, V.P., dotsent, red.toma; LAVRENT'YEV, M.A., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMOCHINOV, V.S., akademik, red.; VEITS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.B., red.; KHACHATUROV, T.S., red.; ROSTOVTSEV, N.Y., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof.. red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I.. kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; SHKOL'NIKOV, M.G., kand.ekonom.nauk, red.; BANKVITSER, A.L., red. izd-va; BHUZGUL', V.V., tekhn.red.

[Chemical industry] Khimicheskaya promyshlennost'. Moskva, 1960.
(MIRA 13:7)
202 p.

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil. Sibirskae otdeleniye. 2. Chleny-korrespondenty AN SSSR (for Veyts, Levitskiy, Nekrasov, Pustovalov, Khachaturov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashev). 7. Zamestitel' predsedatelya Gosudarstvennogo komiteta Scveta Ministerov SSSR po khimii (for Uvarov).

(Chemical industries)

BARDIN, I.P., akademik, glavnnyy red. [deceased]; NEKRASOV, N.N., otd. red.toma; SLAVIN, S.V., doktor ekon.nauk, red.toma; SHKOL'NIKOV, M.G., kand.ekon.nauk, red.toma; LAVRENT'YEV, M.A., akademik, red.; VOL'FKOVICH, S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S., red.; ROSTOVTSOV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekon.nauk, red.; LIUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; MAZOVER, Ya.A., red. izd-va; KASHINA, P.S., tekhn.red.

[Comprehensive regional and interregional problems; [conference reports]] Raionnye i mezhraionnye kompleksnye problemy; [trudy konferentsii]. Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p. (MIRA 14:1)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri. 1958.
2. Chleny-korrespondenty AN SSSR (for Nekrasov, Veyta, Levitskiy, Pustovalov, Khachsturov).
3. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume Akademii nauk SSSR (for Nekrasov, Shkol'nikov, Slevin).
4. Predsedatel' Soveta po izucheniyu proizvoditel'nykh sil pri Prezidiume AN SSSR (for Nemchinov).
5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev).
6. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Panov). (Siberia, Eastern-Economic policy)

VASIL'YEV, P.V., uchitel'

Practical training in agriculture for the Glubokoye school
students. Biol. v shkole no.5:39-42 S-0 '61. (MIRA 14:9)

1. Glubokovskaya odinnadtsatiletney shkoly Opochetskogo rayona
Pskovskoy oblasti.
(Poultry--Study and teaching)

VASILYEV, P. V.

LAPSHIN, A.A.; VASILYEV, P.V.

[Installation and repair of dairy industry equipment] Montazh i re-mont oborudovaniia predpriiatii molochnoi promyshlennosti.
Moskva, Pishchepromizdat, 1953. 190 p. (MLRA 7:7)
(Milk plants)

SURKOV, Viktor Danilovich, prof.; LIPATOV, Nikolay Nikitovich, dotsent;
VASIL'YEV, P.V., inzh., retsenzent; BARANOVSKIY, N.V., kand.
tekhn.red., retsenzent, spetsred.; IVANOVA, N.M., red.; GOTLIB,
E.M., tekhn.red.

[Equipment of dairy plants] Oborudovanie molochnykh zavodov.
Moskva, Pishchepromizdat, 1958. 437 p. (MIRA 13:1)
(Dairy plants--Equipment and supplies)

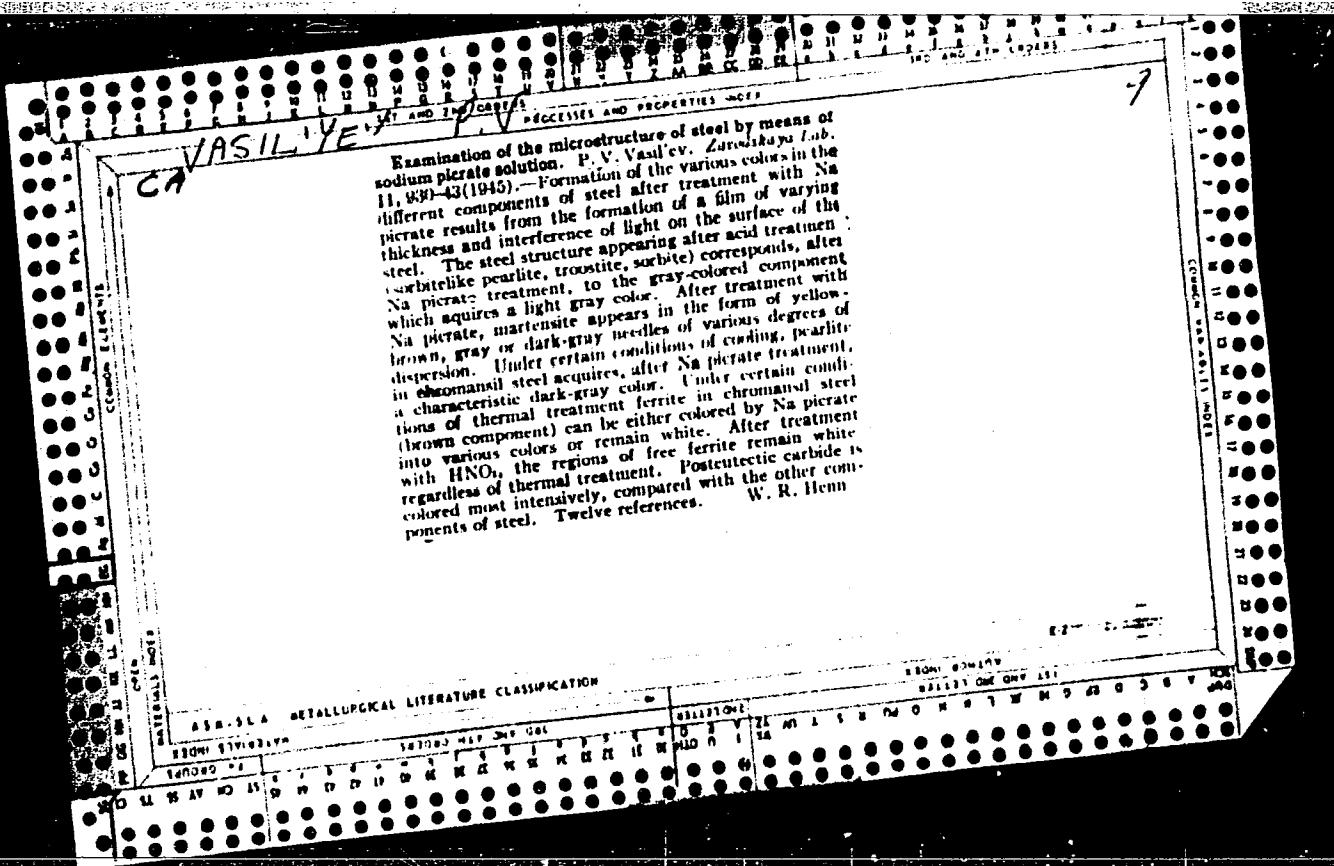
KRUPIN, Grigoriy Vasil'yevich, prof.; VASIL'YEV, P.V., inzh., retsenzent;
BOUSHEV, T.A., kand. tekhn. nauk, red.; SIMONOVSKIY, N.Z., red.
izd-va; PETERSON, M.M., tekhn. red.

(MIRA 15:10)

[Processing equipment for the manufacture of protein dairy
products]Tekhnologicheskoe oborudovanie dlia proizvodstva bel-
kovykh molochnykh produktov. Moskva, Mashgiz, 1962. 256 p.

(MIRA 15:10)

(Dairy plants--Equipment and supplies)



VASIL'YEV P.V.

PROCESSING AND PROTECTION OF STEEL

CA

Revealing the microstructure of steel by means of sodium picrate solution. P. V. Vasilev. Zavodskaya Rab. 11, 1000-8(1945). Etching with Na picrate reveals simultaneously on the polished surface of steels both the micro- and macrostructure of steel. The stripes formed on etching with Na picrate characterize the dendrite nonuniformity of the steel. These stripes, as well as various layers observed in cemented samples after tempering in water, are not uniform and consist of an enormous quantity of needles, plates, and grains colored in different colors, their color depending on the content of C. The greater the C content in the stripes of the dendrite nonuniformity and in the needles, plates, and in grains of martensite the faster a film is formed on their surface. The colors change in conformity with the C content. Various thermal treatments result in different colorations of the sample surface. Etching with Na picrate reveals the reason for the decrease in the impact of steel across the grain of the sample and reveals the non-uniformities facilitating the formation of cracks during welding and tempering as well as the formation of stratified layers and breaks.

W. R. 11-mm

AFM SEA - METALLURGICAL LITERATURE CLASSIFICATION

1000-11-11-11-11

1000-11-11-11-11

1000-11-11-11-11

1000-11-11-11-11

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2

VASIL'YEV, P.V.

~~Micro and macrostructure etchants for steel. Stal' 7 no.1:77 '47.~~
~~(Steel--Testing) (MLRA 9:1)~~

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2"

BESHKETO, V.K., kand. tekhn. nauk (Novosibirsk); VASIL'YEV, P.Ye.
(Novosibirsk)

Consolidation of railroad administrative units. Zhel. dor.
(MIRA 1614)
transp. 45 no. 4184-86 Ap '63.

1. Nachal'nik zheleznodorozhnogo otdela Zapadno-Sibirskogo
soveta narodnogo khozyaystva (for Vasil'yev).
(Railroads--Management)

MIKHYLOV, V., inzh., VASIL'YEV, R., inzh.

Engines of the vehicles which attack the skies. Tekh.mol. 31
(MIRA 16:6)
no.214 '63.
(Airplanes--Turbojet engines)

107-58-3-32/41

AUTHORS: Vasil'ev R.; Petrovskiy, A.

TITLE: Automatic "Tortoise" (Avtomatischekaya "cherekapka")

PERIODICAL: Radio, 1958, Nr 3, pp 48 - 51 (USSR)

ABSTRACT: The "tortoise" was developed by the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automatics and Telemechanics of the USSR Academy of Sciences). The British scientist Wolter (Volter) developed a similar device, in which a modulating automaton is also used. It is a model of a self-propelled device which is controlled by a programming mechanism and which reacts on light, sound, impacts etc. The article contains brief descriptions of the component parts, such as: rectifier, amplifier of the sound channel and output rectifier, electric drive motor and reduction gear, photosensitive element, buffer, turning mechanism, time relay and devices for passing obstacles, programming mechanism, memory device, etc. Figure 1 shows some of the basic circuits. Figure 2 shows arrangement of these parts inside of the device. When set in motion, the "tortoise" will move on a path according to the setting of the

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Automatic "Tortoise"

107-58-3-32/41

programming device. It will by-pass obstacles in its path and react to sound or light effects, according to its pre-set program. Its dimensions are 300x400 mm. There is 1 circuit diagram and 2 drawings.

1. Programming devices--Applications

Card 2/2

VASIL'YEV, R.; PETROVSKIY, A.

Automatic "turtle." Radio no. 3:48-51 Mr '58.
(Automata)

(MIRA 11:3)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2

ZEN'KEVICH, A.G.; BEGLYAROV, G.A., kand. biolog. nauk; VASIL'YEV, R.A.
New preparations. Zashch. rast. ot vred. i bol. 8 no.6:48
Je '63. (MIRA 16:8)

(No subject headings)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2"

VASIL'YEV, R.A.

Identification of larvae of leaf beetle pests of the alder in
the Maritime Territory. Izv. Sib. otd. AN SSSR no. 10:136-
138 '60. (MIRA 13:12)

1. Zapovednik "Kedrovaya pad'" Dal'nevostochnogo filiala
Sibirskogo otdeleniya AN SSSR.
(Maritime Territory--Leaf beetles)
(Alder--Diseases and pests)

VASIL'YEV, R.A.

Biology of Gastrolina thoracica Baly (Coleoptera, Chrysomelidae).
(MIRA 16:8)
Ent. oboz. 42 no.2:264-272 '63.
(Kedrovaya Pad' Preserve--Leaf beetles)
(Kedrovaya Pad' Preserve--Walnut--Diseases and pests)

VASIL'YEV, R.A.

Study of the alder leaf beetle Agelastica coerulea Baly. in Khasan
District of the Maritime Territory. Soob. DVFAAN SSSR no. 15:140-144
'62. (MIRA 17:9)

'62.

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.

L 27228-65 EWG(j)/EWT(m)/EPF(c)/EPR/EWP(j)/T/EWA(h)/EWA(1) Pe-4/Pr-4/Ps-4/Peb
DIAAP WW PM S/0120/64/000/006/0032/0033 36 32 B
ACCESSION NR: AP5002142

AUTHOR: Vasil'yev, R. D.; Dorofeyev, G. A.; Petrov, V. I.; Pimenov, M. I.

TITLE: Measuring the neutron yield of pulsed neutron tubes 19

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1964, 32-33

TOPIC TAGS: neutron source, neutron yield, neutron detector

ABSTRACT: An activation method is described of determining the neutron yield of a pulsed neutron tube by means of a device calibrated in a continuous neutron beam. The neutron detector was represented by a plexiglas cylinder whose diameter and height were 25 cm. Inside the cylinder, three Geiger counters were symmetrically mounted. The detector was placed at a distance of 10 cm or more from a tritium target in a sealed tube. Neutrons were produced by bombarding the target with 100-kev deuterons; the frequency of the neutron pulses was 1-400 cps; their duration, 10^{-6} - 10^{-3} sec. The detector was irradiated by D, T-neutrons

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L 27228-65

ACCESSION NR: AP5002142

obtained from a continuous neutron source for 1,000 sec, and a curve of decay of activated-to-saturation silver was measured. From these experiments, the coefficients for a neutron-yield formula were calculated. The average number of neutrons per pulse was found to be about 5×10^6 . "The authors wish to thank V. T. Shchebolev for lending them the neutron source and for his help in the experimentation." Orig. art. has: 6 formulas.

ASSOCIATION: none

SUBMITTED: 25Nov63

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 000

Card 2/2

L 47103-66 EWT(m)
ACC NR: AR6016487

SOURCE CODE: UR/0272/65/000/012/0103/0103

AUTHOR: Baykalov, S. N.; Vasil'yev, R. D.; Garapov, E. F.

41
B

TITLE: Methods of standardization of radioactive sources and of grading of radiometric and dosimetric equipment

SOURCE: Ref. zh. Metrologiya i izmeritel' naya tekhnika, Abs. 12.32.889

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostro., vyp. 1, 1964, 199-212

TOPIC TAGS: alpha radiation, beta radiation, gamma radiation, neutron radiation, radioactivity measurement, dosimeter

ABSTRACT: The paper discusses problems of the laboratory of metrology of ionization measurements, including the preparation of procedural instructions for the calibration of experimental and operational emitters, preparation of tasks concerning the development of experimental equipment and emitters, aid to enterprises and verification of model equipment, and the examination and confirmation

Card 1/2

UDC: 389.539.1.07/.08

L 47103-66

ACC NR: AR6016487

of verification diagrams. Aside from these general tasks, the laboratory is engaged in evolving procedures for the metrology of alpha, beta, and gamma, and of neutron radiation. A large portion of the work of the laboratory is devoted to the development of standard equipment to transmit the dimensions of the various units of measurements, ranging from sample measures of the first grade to working measures, and also the designing of equipment to facilitate the grading of instruments and the standardization of experimental and operational emitters. The work completed by the laboratory is described and the equipment involved is enumerated. M. Mekler. [Translation of abstract] [GC]

SUB CODE: 06 /

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Card 2/2

YASIL'YEV, R.D.; DOROVYEV, G.A.; MORDOVSKAYA, G.S.; PETROV, V.I.;
PIMENOV, M.I.

Study of a thermal neutron source.. Atom. energ. 15 no.3:
200-204 S '63. (MIRA 16:10)

(Neutron sources)

L 05827-01 E/T(m) IJP(c)

ACC NR: AT6031329

SOURCE CODE: UR/3163/66/000/007/0016/0022

AUTHOR: Vasil'yev, R. D.; Dorofeyev, G. A.; Petrov, V. I.; Pimenov, M. I.;
Shevchenko, V. F.

ORG: none

TITLE: Calibration of radiometers of thermal neutrons in a diffused streamSOURCE: Soyuznyy nauchno-issledovatel'skiy institut priborostroyeniya. Doklady,
no. 7, 1966. Graduirovka radiometrov teplovykh neytronov v diffuznom potoke,
16-21

TOPIC TAGS: radiometer, thermal neutron/RUP-1 radiometer

ABSTRACT: A method is described for calibrating RUP-1 radiometers with a
minimum of 10% accuracy. Results of calibration of thermal neutrons in a diffuse
field and in a directed stream were compared. It was found that radiometers
calibrated in a directed stream showed a reduced magnitude during measurements
in a diffuse field. As a rule, diffuse fields occur in real conditions, therefore,
readings of radiometers calibrated in a directed stream must be increased during

Card 1/2

UDC: 539.1.075.2:539.1.089.6:539.125.5

L 05827-67
ACC NR: AT6031329

measurements in diffuse fields. Readings of the RUP-1 radiometer for instance, must be increased by approximately 30%. Orig. art. has: 6 formulas.

SUB CODE: 20 / SUBM DATE: 05Jan66 / ORIG REF: 003 / OTH REF: 004 /

kh

Card 2/2

L. 07957-67 EWT(m)

ACC NR: AT6031328

SOURCE CODE: UR/3163/66/000/004/0026/0033

AUTHOR: Vasil'yev, R. D.; Dorofeyev, G. A.; Petrov, V. I.; Pimenov, M. I.;
Shevchenko, V. F.

27

ORG: none

19

B71

TITLE: Determination of the yield of nuclear reactions in thick targets with
energies up to 100 KevSOURCE: Soyuznyy nauchno-issledovatel'skiy institut priborostroyeniya. Doklady,
no. 4, 1966. Opredeleniye vykhoda reaktsiy Deyteriy (deyton, neytron) Gelyi tri
i Tritiy (deyton, neytron) Gelyi chetyry v tolstykh mishenyakh pri energiyakhTOPIC TAGS: nuclear reaction, neutron, deuteron, neutron flux, all-wave
counter/NG-200 cascade acceleratorABSTRACT: On the basis of previous works, a determination is made of the yield
of nuclear reactions $D(d,n)He^3$ and $T(d,n)He^4$ in com-
mercially produced thick targets along accompanying particles at deuteron energies
up to 100 Kev. The neutron yield was measured with an NG-200 cascade accelerator.
Confirmation was made of the virtual absence of scattering in target nuclei No^3

Card 1/2

UDC: 539.17

ACC NR: AT6031328

escaping toward the counter. Results of the calibration of the all-wave counter confirm the corrections of the method used to determine the neutron flux density and the yield of the reactions $D(d,n)He^3$ and $T(d,n)He^4$. Orig. art. has: 4 figures and 11 formulas.

SUB CODE: 20, 18/ SUBM DATE: 20Oct65/ ORIG REF: 001/ OTH REF: 006/

Card 2/2 eight

ACC NR: AP6022207

SOURCE CODE: UR/0115/66/000/C05/0063/0065

AUTHOR: Vasil'yev, R. D.; Dorofeyev, G. A.; Petrov, V. I.; Pimenov, M. I.;
Shevchenko, V. F.

ORG: none

TITLE: Calibrating thermal-neutron radiometers in diffused flux

SOURCE: Izmeritel'naya tekhnika, no. 5, 1966, 63-65

TOPIC TAGS: radiometer, thermal neutron

ABSTRACT: The possibility of using a graphite moderator as a source of thermal neutrons for calibrating neutron radiometers was explored. A fast-neutron source ($T(d,n)He^4$ reaction) was placed inside a cavity in the graphite. With thick industrial ZrT and TiT targets, the neutron yield reached 10^9 per sec, at 100 kv and 100 μ amp in the cascade accelerator. Theoretically, $Q/P = 7000$ per cm^2 ; experimentally, 5600 per cm^2 ; here, Q - yield of fast neutrons, P - thermal-neutron flux density. Hence, a field of thermal neutrons with a density of 10^6 neutr/sec. cm^2 was feasible; these neutrons had a Maxwellian energy distribution and a temperature of 293K. The technique of calibration of Soviet-made RUP-1 radiometer is described in some detail. The radiometer calibrated in a directional flux showed readings by 30% lower than true value^{of} measurand when used in diffused fluxes. Orig. art. has: 7 formulas.

SUB CODE: 18 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001

Card 1/1

UDC:621.039.564.2

ACC NR: AR6013633

SOURCE CODE: UR/0050/65/000/010/A057/A057

AUTHOR: Baykalov, S. N.; Vasil'yev, R. D.; Garapov, E. F.

TITLE: Methods for standardizing radioactive sources and calibrating radiometers and dosimeters

SOURCE: Ref. zh. Fizika, Abs. 10A468

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr., vyp. 1, 1964, 199-212

TOPIC TAGS: metrology, scientific standard, radioactive source, instrument calibration equipment, radiometer, dosimeter

TRANSLATION: Problems that the Metrology Laboratory for Ionizing Measurements faced from the time of its organization are discussed. These included the development of systematic procedures for calibrating reference and operational emitters, preparation of programs for the development of reference equipment and emitters, assistance to industry, certification and verification of reference equipment, review and improvement of checking procedures. In addition to these ordinary problems, the laboratory is concerned with the development of methodology for the field of the metrology of α -, β -, γ - and neutron radiation. Much work has gone into the development of unique apparatus for transposing the size of various units of measurement from standard measures up to operational measures and also into the development of equipment to facilitate the

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CIA-RDP86-00513R001858910016-2

ACC NR: AR6013633

calibration of instruments and standardization of reference and working emitters. The work completed by the laboratory is described and the equipment used is enumerated. 4 references.

SUB CODE: 14, 18

Card 2/2

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2"

07958-67 EWT(m)

ACC NR: At6031327

SOURCE CODE: UR/3163/66/000/003/0022/0025

AUTHOR: Vasil'yev, R. D.; Dorofeyev, G. A.; Petrov, V. I.; Pimenov, M. I.
Shevchenko, V. F.

ORG: none

TITLE: On the problem of using nuclear reactions to calibrate radiometers of fast neutrons

SOURCE: Soyuznyy nauchno-issledovatel'skiy institut priborostroyeniya. Doklady, no. 3, 1966. K voprosu ob ispol'zovanii yadernykh reaktsiy Deyteriy (deyton, neytron) Gely tri i Tritiy (deyton, neytron) Gely chetyry dlya graduirovki radiometrov bystrykh neytronov, 22-25

TOPIC TAGS: radiometer, nuclear reaction, neutron, neutron detector, neutron flux/NG-200 generator

ABSTRACT: A study is made of the calibration of neutron radiometers with energies close to 2.5 and 14 Mev, formed during nuclear reactions $D(d,n)He^3$ and $T(d,n)He^4$ respectively. A neutron NG-200 generator was used as the accelerator. It was found that in some cases, neutrons from reaction

UDC: 539.1.075.2.089:539.172.4

Card 1/2

L 07958-67

ACC NR: ATG031327

$T(d,n)He^4$ can be used to adjust instruments intended to register neutrons from reaction $D(d,n)He^3$. The calibration error of neutron radiometers for both reactions was calculated as being the sum of the mean square errors in the determination of the neutron flux density and the readings of the calibrated instrument, and was of the order of 5 to 10%. Orig. art. has: 1 figure and 1 formula.

SUB CODE: 20, 18/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 001/

Card 2/2 egk

45160

S/020/63/148/002/037/C¹⁷
B124/B186

5 4050

AUTHORS:

Shuvalov, V. F., Vasil'yev, R. F., Postnikov, L. M.,
Shlyapintokh, V. Ya.

TITLE:

Formation of excited formaldehyde molecules in low-temperature
oxidation of acetaldehyde

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 2, 1963, 388-390

TEXT: The project consisted in determining the chemical nature of the luminescent particles in the oxidation of acetaldehyde. It is proved that in this reaction the luminescence is connected with the formation of excited formaldehyde molecules. Chemi-luminescence in reactions which proceed under formation of alkoxy radicals is also explained in this way. The luminescent particles in the slow oxidation of acetaldehyde in the gas phase are identified experimentally by taking the chemi-luminescence spectra with a high-power spectrometer developed by R. F. Vasil'yev, S. M. Petukhov and T. N. Zhuchkova; the instrument is described in ZhFKh, v. 36, No. 10, 2284 (1962). The chemi-luminescence spectrum of a mixture of 50 mm Hg acetaldehyde and 47 mm Hg oxygen was taken at 182°C, chemi-luminescence having a maximum value. The kinetic curve of chemi-luminescence has two peaks. In Card 1/3

S/020/63/148/002/037/037
B124/B186

Formation of excited formaldehyde...

the section following the second peak the intensity of luminescence changes but little with time. It has been found that the spectrum taken in this section practically coincides with the fluorescence spectrum of formaldehyde. The formation of formaldehyde in the reaction products is proved also by chemical analysis. With the aid of light filters it was shown that between 180 and 120°C the position of the luminescence maximum and the total shape of the spectrum do not change. Hence it can be concluded that also at temperatures below 180°C the second luminescence maximum is related to the formation of formaldehyde. The kinetic curves of luminescence at 182°C and with a composition of the mixture of 50 mm Hg CH₃CHO and 35 mm Hg O₂

were taken at 370, 425, and 510 mμ. It was found that the intensity ratio remains practically constant. This proves that also in the region of the first peak, luminescence is connected with excited formaldehyde molecules. This example shows that the reactions necessary for the formation of excited formaldehyde molecules take place not only in cool flames but even at much lower temperatures. There are 3 figures.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR. (Institute of Chemical Physics of the Academy of Sciences USSR)

Card 2/3

Formation of excited formaldehyde...

S/020/63/148/002/037/037

B124/B186

PRESENTED: June 11, 1962, by V. N. Kondrat'yev, Academician

SUBMITTED: July 10, 1962

Card 3/3

VASIL'YEV, R. A.

VASIL'YEV, R. A. - "The kinetics of oxidation of acetilene with acetyl peroxide."
Moscow, 1955. Acad Sci USSR, Inst of Chemical Physics. (Dissertation for
degree of Candidate of Chemical Sciences.)

SO: Knizhnaya letopis', No 43. 26 November 1955. Moscow.

Vasil'yev, R. F.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 411

Author: Vasil'yev, R. F., and Emanuel, N. M.

Institution: Academy of Sciences USSR, Inst Chem Physics

Title: Kinetics of the Oxidation of Acetaldehyde by Acetyl Hydroperoxide

Original
Periodical: Izv. AN SSSR, section on chemical sciences, 1956, No 4, 387-396

Abstract: Two possible mechanisms are discussed for the reactions: $\text{CH}_3\text{-CHO} + \text{CH}_3\text{COOOH} \rightleftharpoons Y \rightarrow 2\text{CH}_3\text{COOH}$ (1) and $\text{CH}_3\text{CHO} + \text{CH}_3\text{COOOH} \rightleftharpoons Y$; and $\text{CH}_3\text{CHO} + \text{CH}_3\text{COOOH} \rightleftharpoons 2\text{CH}_3\text{COOH}$ (Y is the peroxide product formed during the reaction). The kinetics of the disappearance of CH_3COOOH and the accumulation of CH_3COOH have been investigated in toluol solutions at 18-40° and are adequately described by the step mechanism (1); in particular, the rate of formation of the acid shows an initial increase. Thus, Y appears to be an intermediate and not a side-product of the reaction. The value $1.6 \cdot 10^3 \exp(-5,500/RT)$ mol/liter

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USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 411

Abstract: has been found for the equilibrium constant for the first step (in the temperature region from -20 to 30°). It is noted that (1) is an over-all mechanism; the detailed mechanism of the reaction is more complicated as indicated by a number of features of the reaction (low values of the coefficients, low activation energies, sensitivity to impurities).

Card 2/2

Vasil'yev, R. F.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 412

Author: Vasil'yev, R. F., Terenin, A. N., and Emanuel, N. M.

Institution: Academy of Sciences USSR

Title: Spectroscopic Investigation of the Intermediate Product and the Transition Step in the Oxidation of Acetaldehyde by Acetyl Hydroperoxide

Original
Periodical: Izv. AN SSSR, section on chemical sciences, 1956, No 4, 397-402

Abstract: The intermediate peroxide product (I) formed during the reaction of CH₃COOOH (II) with CH₃CHO (III) (see preceding abstract) has been crystallized from toluene solution at -50° and dissolved in nitro-methane. The solution was placed in a cuvette with polyethylene windows, and its spectrum recorded with an IR spectrophotometer. In the spectrum the average intensity band 847 cm⁻¹, produced by the valency oscillations of the -O-O- group, was found. From the 847 band and the 586 (II) and 947 cm⁻¹ (III) bands in the temperature range

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USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 412

Abstract: -20 to 20°, the kinetics for the establishment of the equilibrium
II + III ⇌ I were studied qualitatively as well as the kinetics for
the formation of acetic acid. The small shift in the 847 band of I
relative to the II band (856 cm^{-1}) indicates that I apparently has a
hydroperoxide structure, e.g., $\text{CH}_3\text{CH}(\text{OOH})\text{OC(O)-CH}_3$.

Card 2/2

Vasil'yev, R. F.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 413

Author: Vasil'yev, R. F., Terenin, A. N., and Emanuel, N. M.

Institution: Academy of Sciences USSR Inst Chern Phys.

Title: The Effect of the Solvent on the Rate of Oxidation of Acetaldehyde
by Acetyl Hydroperoxide from the Point of View of Hydrogen-Bonding

Original

Periodical: Izv. AN SSSR, section on chemical sciences, 1956, No 4, 403-407

Abstract: The rate for the first step of the reaction (see preceding abstract)
at 24.2° is the same in CHCl₃, C₆H₅CH₃, C₆H₆, and C₆H₅-NO₂; the rate
is somewhat higher in CCl₄ and considerably lower in CH₃OH, CH₃NO₂
and CH₃COCH₃. In the IR absorption spectra of CH₃COOOH solutions in
CH₃NO₂ and CH₃COCH₃ there are observed, in addition to the bands due
to intermolecular hydrogen bonding in CH₃COOOH (3,310 cm⁻¹), broad
bands with maxima at 3,385 and 3,285 cm⁻¹, which are ascribed to intra-
molecular hydrogen bonding (MVC /mezmolekulyarnyy vodorodniy svyazi/)

Card 1/2

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 413

Abstract: between the solvent and CH₃COOOH. In the spectrum of the solution of CH₃COOOH in C₆H₅NO₂ there are observed only the 3,310 cm⁻¹ bands: MVC is either absent or very weak. At the same time it can be assumed that MVC takes place in the system CH₃COOOH + CH₃OH. In the remaining solutions MVC is not possible. The authors are of the opinion that the inhibition of the reaction observed in a number of solvents is due to the hindering effect of the molecules which are joined to the CH₃COOOH by hydrogen bonds.

Card 2/2

VASII.YEV, R.F.; RUSINA, I.F.

Chemiluminescence of molecular oxygen during oxidation of organic substances. Izv.AN SSSR.Ser.khim. no.9:1728 S '64.

(MIRA 17:10)

1. Institut khimicheskoy fiziki AN SSSR.

REACTIONS OF RADICALS

SOURCE: Soveshchaniye po fizicheskim metodam issledovaniya organicheskikh sovredineniy i khimicheskikh protsessov. Frunze, 1962. Trudy. Frunze, Izd-vo Nauk. 1964, 137-145

"APPROVED FOR RELEASE: 08/31/2001

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"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2

VASIL'YEV, R.F.

Chemiluminescence in solutions. Part 1. Opt. i spektr. 18 no.2:
236-244 F '65.
(MIRA 18 4)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2"

L 43602-65 EPF(c)/EMP(j)/EWT(m) PC-4/PR-4 EM

ACCESSION NR: AP5006428

8/0051/65/018/003/0415/0421

AUTHOR: Vasil'yev, R. F.

19

6

TITLE: Chemiluminescence in solutions. II. Identification of the excited state
in reactions of liquid-phase oxidation

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 415-421

TOPIC TAGS: chemiluminescence, excited state, ethylbenzene, cyclohexane, recombination, quantum yield, oxidation reaction

ABSTRACT: The author investigated the glow mechanism in one class of chemiluminescent reactions - oxidation of hydrocarbons in solution - using the general premises of luminescence theory, with special account of the specific nature of the chemical method of excitation. Principal attention is paid to the identification of the excited state responsible for the glow in organic substances (essentially ethylbenzene and cyclohexane). The test procedure was described in the first part of the article (Opt. i spektr. v. 18, 236, 1965). The results show that chemiluminescence is excited upon oxidation of ethylbenzene and cyclohexane by recombination of the peroxide radicals, the products of which are alcohols, ketones,

Card 1/3

L 43742-65

ACCESSION NR: AP5006428

and oxygen. The duration, spectrum, and quantum yield of the chemiluminescence emitted coincide with the analogous values for the luminescent state of ketones (acetophenone or cyclohexanone). The rate constant of the radiative transition, estimated from the obtained value of the total quantum yield, is found to be $10^6 - 10^7$ sec⁻¹. The quantum yield of the chemiluminescence in T-S transition. The excitation yield of the probability of formation of T-ketone in an elementary act of recombination is estimated. The low value of the yield ($10^{-6} - 10^{-4}$) is attributed to the fact that most ketone molecules do not acquire enough energy to excite the T-level. The deduction that the molecule is in the T state is in good agreement with the laws governing energy transport upon addition of aromatic substituents. The transfer of energy between the T-ketone and the activator results in energy transfer to the S-level. This is a forbidden process and has low probability. Introduction of halogens in the activator intensifies the spin-orbit interaction, lifts the forbiddenness partially, and increases the energy-transport probability. Orig. art. has: 2 formulas, 1 figure, and 1 table.

ASSOCIATION: None

Card 2/3

L 43882-65

ACCESSION NR: AP5006428

SUBMITTED: 05Feb64

ENCL: 00

SUB CODE: OP, OC

NR REF SCV: OII

OTHER: 017

Card 3/3 m6

L 11087-66 EWT(1)/EWT(m)/EWP(j)/T
ACC NR: AT5023438

IJP(c) GS/AT/RM

SOURCE CODE: UR/0000/65/000/000/0118/0122

AUTHOR: Vasil'yev, R. F.

ORG: none

64
B+1

TITLE: Investigation of energy transfer using ^{21, 44, 55} chemiluminescence technique

SOURCE: Simpozium po elementarnym protsessam khimii vysokikh energiy. Moscow, 1963.
Elementarnye protsessy khimii vysokikh energiy (Elementary processes of the chemistry of high energies); trudy simpoziuma. Moscow, 1965, 118-122

TOPIC TAGS: excited state, chemiluminescence, oxidation, ethylbenzene, anthracene,
particle collision

ABSTRACT: ^{21, 44, 55} The mechanism of energy transfer was studied using a molecule excitation technique based on chemiluminescence. The dosage was as low as 2-4 ev. The mechanistic aspects were treated in terms of triplet-triplet and triplet-singlet transformation. The energy level scheme for the oxidation of ethylbenzene and energy transfer to acetylene derivatives as reflected in chemiluminescence is shown in fig. 1. The effect of substituents on the probability of triplet-singlet type inter- and intramolecular energy transfers in oxidation of cyclohexane in benzene at 50°C is shown in fig. 2. The effect of halogens on intra- and Intermolecular energy transfer

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ACC NR: AT5023438

conforms to the same mechanism.

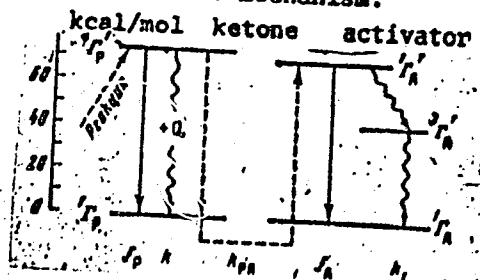


Fig. 1. Solid line--rate constants of energy transfer without chemiluminescence, wavy line--energy transfer without chemiluminescence, dotted line--course of transfer.

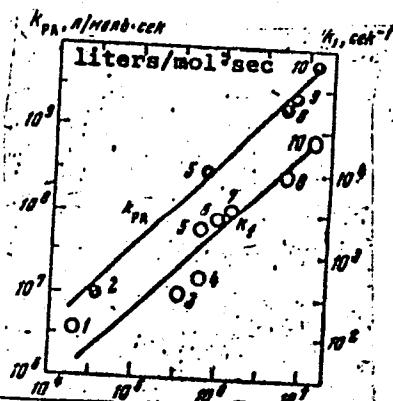


Fig. 2. K_p --based on the data of D. S. McClure, *J. Chem. Phys.*, 17, 905(1949); K_{pA} --according to R. F. Vasil'yev, A.A.

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L 11087-66

ACC NR: AT5023438

Vichutinskiy, A. S. Cherkasov, Dokl. Akad. Nauk SSSR, 149, 124 (1963) assuming f_p for cyclohexane equal to 10^3 sec^{-1} : 1--anthracene; 2-10-anthracene derivatives; 2--9,10-diphenyl; 3--1-chloro; 4--1,5-dichloro; 5--9,10-dichloro; 6--2,9,10-trichloro; 7--1,5,9,10-tetrachloro; 8--9-bromo; 9--9-bromo; 10--phenyl and 9,10--dibromo. Orig. art. has: 2 figures.

SUB CODE: 07, 20

SUBM. DATE: 23Feb65/

ORIG REF: 005/

OTH REF: 005

Card 3/3

L 24498-66 EWF(m)/EPF(j)/T/ETC(m)-6 WW/JW/RM

ACC NR: AP6002165

SOURCE CODE: UR/0195/65/006/006/0990/0996

AUTHOR: Vasil'yev, R. F.

ORG: Institute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)

TITLE: Chemiluminescent study of the decomposition of azobisisobutyronitrile in the presence of oxygen

SOURCE: Kinetika i kataliz, v. 6, no. 6, 1965, 990-996

TOPIC TAGS: chemiluminescence, oxygen, free radical, organic nitrile compound

ABSTRACT: The method of oxygen attenuation of chemiluminescence (based on the phenomenon of a sharp attenuation of the luminescence intensity accompanying the initiated oxidation of hydrocarbons in an airtight container) was used to compare the amount of decomposed azobisisobutyronitrile (AIBN) and the amount of oxygen which reacted with the radicals produced by the decomposition. It was shown that the cyanoisopropyl radical reacts with oxygen faster than with the hydrocarbon. In inert solvents, all of the oxygen which oxidizes the cyanoisopropyl radicals enters into the composition of the products. The radical produced by the oxidation of the cyanoisopropyl radical is more active in terms of the detachment of H from the hydrocarbon than is the peroxide radical. The chemiluminescent method was used to measure the rate constant of the decomposition of AIBN, the probability of exit of primary radicals from the "cage," and

UDC: 542.92 : 547.339.2.4'335.2

Card 1/2

2

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2

L 24498-66

ACC NR: AP6002165

the activation energy of the decomposition of AIBN. Orig. art. has: 4 figures, 8 formulas.

SUB CODE: 07/ SUBM DATE: 13Jun63/ ORIG REF: 008/ OTH REF: 008

Card 2/2 ZC

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910016-2"

L 24270-66 EWT(1)/EWT(m)/EWP(j) IJP(c) RM
ACC NR: AP6007022

SOURCE CODE: UR/0051/66/020/002/0365/0366

AUTHOR: Belyakov, V. A.; Vasil'yev, R. F.

ORG: none

TITLE: Chemiluminescence in solutions. III. The effect of additives which differ in the height of their electronic levels

SOURCE: Optika i spektroskopiya, v. 20, no. 2, 1966, 365-366

TOPIC TAGS: chemiluminescence, luminescence quenching, electron energy level, optic activity, photoluminescence

ABSTRACT: This is a continuation of earlier studies (Opt. i spektr. v. 18, 418, 1965; DAN SSSR v. 156, 1402, 1964) dealing with luminescent substances capable of enhancing chemiluminescence. The authors report that acceptors introduced into the reaction can be activators or quenching agents, depending on the relative position of the donor and acceptor energy level. It is reported that anthracene derivatives intensify the chemiluminescence of cyclohexanone and acetophenone. Naphthalene also quenches cyclohexanone and acetophenone, but does not affect chemiluminescence of diacetyl. The additive molecules are excited only at the expense of energy transfer from the donor which is excited in the reaction. These facts agree well with the photoluminescence mechanism in solid and liquid solutions, thus substantiating the feasibility of using chemiluminescence for the study of energy transfer. With a chemical method of excitation, the absorptive power of the solution components does not play any role. There-

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UDC: 535.379